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|                 |                    |  |                         | ·<br>                         | REFERENCES            |  | 50X  | 1-HUN |
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**\_**\_\_\_\_

## FIRST KALININ SEWING MACHINE AND TYPEWRITER PLANT

| Ľ» | The First Mikhail Ivanovich Kalinin Seving Machine and Typeveiter Plant      |
|----|--|
| ** | was lecated in Podolak (\$55-23, B 37-30), Moscow Calast, between the        |
|    | Movety-Simferopol railroad and highway. (See attached sketch No. 1 of a      |
|    | section of the city of Podolsk). This plant, which was not known by any      |
|    | other name, was subordinate to the Ministry of Machinery and Control Appera- |
|    | tus (sic).   |

| The plant produced both seving machines for domestic use, which were of pea- |           |
|--|-----------|
| many importance in the production plan, and sewing machines for industrial   |           |
|  | 50X1-HUN  |
| the plant was going to discontinue the manufacture of typewriters            | ,50X1-HUN |

3. The approximate dimensions and installations of the plant's fire-proof, brick, red-sheet-metal roof structures are described below.

50X1-HUM was no new construction

The numbers in parenthesis are keyed to the attached aketch No. 2 of the plant layout.

50X1-HUM

- (1) A single-story, 200 x 40 x 9-meter building with large windows on all sides. The forge and hot-stamping shop, where several types of sewing midnine parts were produced, was located here. This shop contained furnaces and drop hammers.
- (2) A two-story,200 x 40 x 15-meter building which contained the paint shop. The sewing machine and typewriter parts were painted with the use of spray guns, and the painted parts were then passed on to the assembly shop No. 3 through a passageway which connected both shops.
- (3) A three-story, 200 x 40 x 24-meter building which contained the following shops: The first floor contained a machine shop where seving machine parts were drilled. The second floor contained the seving machine assembly and crating shop. The third floor contained a machine shop which manufactured all kinds of seving machine parts.
- (4) A six-story, 200 x 40 x 48-meter building. The first three floors were used as repair and machine shops for all plant machinery. These Many contained lathes, milling machines, drills, grinders, and other machines. The fourth floor contained the tool machine shop where wrenches, boring bits, pliers, and other important tools were manufactured. It contained machinery similar to that on the first three floors. The fifth floor (see attached machines sections of this floor)

  tained the various sections of the typewriter manufacturing shop which were described as follows:
  - a. The typewriter parts machine section contained an unknown number of lathes, milling machines, and drills, in good condition, and of different national origins (not further identified).

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50X1-HUM

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| •         | S-E-C-R-R-T  | \$  |
| •         |  | 50X1-HUM  |
|           | - <b>3</b> -   |   |
|           |  | 4<br>   |
|           |  |   |
|           | b. The painting and chromium-plating sections contained no machinery.  |   |
|           | c. The assembly section contained no machinery.  | 197<br>188  |
|           | The shop which produced sewing machine needles was also located on the fift<br>floor. This shop was divided into three sections, each of which contained<br>about 14 machines such as special lathes and milling machines. This machine  |   |
|           | had been dismantled and transported from plants in Germany to the USSR at  | the   |
|           | end of World War II. These German make machines were in good condition. The sixth floor was unoccupied.  | e to the second |
|           | and the contract of the contra |   |
| (5)       | This was a one-story, 180 x 180 x 10-meter building with concrete pillars and a structural-metal skylighted roof. This was the iron foundry which  |   |
|           | supplied the various shops with the parts to be machined.  | 50X1-HUM  |
|           |  | (1) (2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4  |
| (6)       | This was a two-story, 20 x 10 x 7 meter building which contained the admin istration offices.  |   |
|           |  |   |
| (7)       | This was a one-story, 10 x 28 x 10-meter building with a skylighted structural-metal roof. This structure contained the plant garage where a vehicle and maintenance shop was located. Two air pumps were installed  |   |
| 11 -      | at the garage entrance.  |   |
| (8)       | Steam-locomotive shed.   |   |
| (9)       | Plant Mrector's house.   | 1   |
|           |  | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1   |
| (10)      | Open-air dump.   |   |
| (11)      | Unloading platform.  |   |
| . Som     | of the materials used in this plant were: raw and cast from, steel, type-<br>ber rollers, coal, wood, grease, and other unidentified materials.  | 50X1-HUM  |
| / L       | this plant did not import raw materials.   | 50X1-HUM  |
| 5. The    | water and electricity supply was described as follows: The water pipes were erground. The 120, 220, and 360 volt electricity came from an unknown source electricity supply was adequate except for an occasional breakdown.   | <b>8</b><br>6.  |
|           | No nsformer station or dams existed in the vicinity of the plant.  | 50X1-HUM  |
|           |  |   |
| and.      | crating and shipping process was described as follows: The typewriters sewing machines were packed in wooden crates, stamped with a picture of a sewing machines were packed in wooden crates, stamped with a picture of a   |   |
| be 1      | ck champagne glass which indicated that the package was fragile and should<br>kept upright. The crates were then left on the loading platform until there<br>a sufficient number to make up a shipment. The sewing machines and type-  |   |
| wri       | ters were shipped throughout the USSR but only the sewing machines were orted.   |   |
| - 1       |  |   |
| 7. The    | transportation facilities were described as follows: A single, groad gauge<br>troad siding, which divided into two branches within the plant grounds and   |   |
| whi       | ch was connected with the Moscow-Simferopol line, serviced the plant. The  |   |
| pla       | nt owned two small. old. steam locomotives. The crates were loaded by hand   |   |
| to '      | o the freight cars. A 15-meter wide, asphalt road led from the plant garage<br>the all-season Moscow-Simferopol highway. The ten plant-owned trucks were<br>three, five, and ten metric-ton capacity (GMC and MACK).   |   |
| G1        | mend raid mer and and and and afferment from any come and  | •   |

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50X1-HUM

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| 1     |                |  |  |   |  | m. 6.     |
|-------|----------------|--|--|---|--|-----------|
| - 2   |                |  | . 4 .  |   | •  |           |
|       |                |  | re.  |   | · i  |           |
| ,ž    |                |  |  |   |  |           |
| 8.    |                | sewing machine asse  |  |   |  |           |
|       |                | e production phase to<br>iters.  | another. There wa  | s no assembly line  | for the type-  | No.       |
| 9.    | Ty             | pewriter production  | was from 50-to-60 me   | chines daily: this  | figure was 50  | 50X1-HUM  |
| 4 %   | per            | rcent over the numb  | er specified in the  | production plan.  |  |           |
|       |                |  |  |   |  | ·         |
| 10.   | The            | e plant employed aborkers. The plant em  | ut 9,000 workers inc<br>ployees were paid on   | luding a large num  | ber of office<br>s and the average                                       | ze.       |
|       | 8ല്            | lary was about 1,000 cept for holidays.  |  |   |  |           |
| 11.   | tin            | e length of vacation<br>me he had worked in<br>t the year. For tho   | the plant. The vaca  | tion periods were   | staggered through  | zh-       |
|       | Mej.           | e allowed; for those re allowed.   | who had worked in t  | be plant over thre  | e years, 15 days   | 3         |
| ൂ.    | A to           | e shifts for the var.<br>total of 400 employed<br>tions. In the type<br>e eight-hour shift a   | es worked on one shi<br>writer assembly sect<br>day. The machine a   | ft in the typewrit<br>ion, forty-to-fift<br>nd painting section                     | er manufacturing<br>y workers worked<br>ns worked two                    | ž .       |
| . ( ) | eig            | ght-hour shifts a day<br>ur shifts a day.  | and the sewing mac   | hine sections work  | ed three eight-  |           |
| 13.   | in<br>Eac      | typewriter product<br>charge of the machin<br>ch section had a chic<br>the two masters each  | ne, assembly, painti<br>of, and the machine  | ng, and chromium-p<br>section had two ma  | lating sections.   | \$<br>    |
| L4.   | in             | e medical facilities<br>each section, and a<br>plant. The plant  | plant clinic which   | was located across  | h was evailable<br>the street from                                       | 1         |
| 15.   | At pos onl veh | e plant security means in pistols and carbin the main employee ents at entrance and early one guard was posticular entrances. In guards. | nes, were stationed<br>atrance, a guard was<br>exit times. At othe<br>ed. Armed guards w<br>Personhel were not p | st the three employ<br>stationed in each<br>r times during the<br>ere posted at the | yee entrances. of the five gus day and at nigh railroad and railroad and | urd<br>it |
| L6.   | a p            | ther security and sa<br>sass on entering and<br>entrance which had   | leaving the plant.<br>been assigned and n  | Personnel could or<br>oted on the pass.   | nly enter through  | <b>h</b>  |
| š.    | res            | tricted areas inside   | the plant. The pl  | ant employed a grou   | m of firemen.  | 50X1-HUIV |
| L7.   |                |  | ∴ J personal   | ity from the plan   | rt:  |           |
| l     | ٠.,            | Orlgorly Moreevel  | phichies phothertyp  |   | *  |           |
|       |                | assembly section.  |  |   |  | 50X1-HUN  |
|       |                |  |  |   |  | ,         |
|       |                |  |  |   |  |           |
|       |                |  | *  |   | . •  |           |
|       |                |  |  |   |  |           |
|       |                |  | S-E-C-R-E  | <b>T</b>  |  | 50X1-HUM  |
|       |                |  | . 1  |   |  | :         |

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S-E-C-R-E-T

| during the last war, this plant produced moretar projectiles.  No automation existed in this plant.  50X1-H  |      | working in the plant, no prisoners of war or                  | 50X1-HU  |
|--|------|---|----------|
| during the last war, this plant produced mortar projectiles.  Ho automation existed in this plant.  1.   | CODY | icts.   | :        |
| Bo autometrical existed in this plant.   |      | during the last war, this plant produced softer               | 50X1-HL  |
| 1. Comment: probably referring to the former Ministry of Instrument Building and Means of Automation.  Legend for Sketch No. 1, Section of the City of Podolsk  1. First Kalimin Sewing Machine and Typewriter Flant.  2. Flant clinic.  3. Gorsovet building.  4. Football field.  5. Militia headquarters.  6. Fost office, Welephone and Belegraph centers.  7. Industrial Reinfalkum building.  8. Railroad station.  9. Flant which produced storage batteries and vehicle batteries.  10. Church.  Legend for Sketch No. 2, Kalimin Flant  1. Forge and hot-standing shop.  2. Faint shop.  3. Sewing machine section.  4. Machine construction shops, typewriter manufacturing sections, and sewing machine needles shop.  5. Foundry.  6. Administration offices.  7. Garage with repair and maintenance shop.  8. Train shed. | pro, |   |          |
| 1. Legend for Sketch No. 1, Section of the City of Podolsk  1. First Kalimin Sewing Machine and Typewriter Flant.  2. Flant clinic.  3. Gorsovet building.  4. Football field.  5. Militia headquarters.  6. Post office, Telephone and Telegraph centers.  7. Industrial Telahikum building.  8. Railroad station.  9. Flant which produced storage batteries and vehicle batteries.  10. Church.  Legend for Sketch No. 2, Kalimin Flant  1. Forge and hot-stamping shop.  2. Paint shop.  3. Sewing machine section.  4. Machine construction shops, typewriter manufacturing sections, and sewing machine needles shop.  5. Foundry.  6. Administration offices.  7. Garage with repair and maintenance shop.  8. Train shed.  | No e | uniometion existed in this plant.                             | •        |
| Ministry of Instrument Building and Means of Automation.  Legend for Shetch No. 1, Section of the City of Podolsk  1. First Kalinin Sewing Machine and Typewriter Flant.  2. Flant clinic.  3. Gorsovet building.  4. Football field.  5. Militia headquarters.  6. Post Office, Welephone and Melegraph centers.  7. Industrial Makhikum building.  8. Railroad station.  9. Flant which produced storage batteries and vehicle batteries.  10. Church.  Legend for Shetch No. 2, Kalinin Flant  1. Forge and hot-stamping shop.  2. Paint shop.  3. Sewing machine section.  4. Machine construction shops, typewriter manufacturing sections, and sewing machine needles shop.  5. Foundry.  6. Administration offices.  7. Gårage with repair and maintenance shop.  8. Train shed.  |      |   | 50X1-HL  |
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| 1. First Kalinin Sewing Machine and Typewriter Flant.  2. Flant clinic.  3. Gorsovet building.  4. Football field.  5. Militia headquarters.  6. Fost office, Telephone and Relegraph centers.  7. Industrial Reknhikum building.  8. Railroad station.  9. Flant which produced storage batteries and vehicle batteries.  10. Church.  Legend for Sketch No. 2, Kalinin Flant  1. Forge and hot-stamping shop.  2. Paint shop.  3. Sewing machine section.  4. Machine construction shops, typewriter manufacturing sections, and sewing machine needles shop.  5. Foundry.  6. Administration offices.  7. Garage with repair and maintenance shop.  8. Train shed.  |      |   | ÷        |
| 2. Plant clinic. 3. Gorsovet building. 4. Football field. 5. Militia headquarters. 6. Fost office, Telephone and Telegraph centers. 7. Industrial telephikum building. 8. Railroad station. 9. Flant which produced storage batteries and vehicle batteries. 10. Church.  Legend for Sketch No. 2, Kalimin Flant  1. Forge and hot-stamping shop. 2. Faint shop. 3. Sewing machine section. 4. Machine construction shops, typewriter manufacturing sections, and sewing machine needles shop. 5. Foundry. 6. Administration offices. 7. Cârage with repair and maintenance shop. 8. Train shed.   |      | Legend for Sketch No. 1, Section of the City of Podolsk       |          |
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| 3. Gorsovet building. 4. Football field. 5. Militia headquarters. 6. Post office, Telephone and Telegraph centers. 7. Industrial Makhikum building. 8. Railroad station. 9. Plant which produced storage batteries and vehicle batteries. 10. Church.  Legend for Sketch No. 2, Kalinin Flant  1. Forge and hot-stamping shop. 2. Paint shop. 3. Sewing machine section. 4. Machine construction shops, typewriter manufacturing sections, and sewing machine needles shop. 5. Foundry. 6. Administration offices. 7. Ctrage with repair and maintenance shop. 8. Train shed.  | 2.   | Plant elinic.   |          |
| 4. Football field. 5. Militia headquarters. 6. Post office, Telephone and Relegraph centers. 7. Industrial Rekhikum building. 8. Railroad station. 9. Plant which produced storage batteries and vehicle batteries. 10. Church.  Legend for Sketch No. 2, Kalinin Plant  1. Forge and hot-stamping shop. 2. Paint shop. 3. Sewing machine section. 4. Machine construction shops, typewriter manufacturing sections, and sewing machine needles shop. 5. Foundry. 6. Administration offices. 7. Strage with repair and maintenance shop. 8. Train shed.  | -    |   |          |
| 5. Militia headquarters. 6. Post office, Telephone and Telegraph centers. 7. Industrial Tekhnikum building. 8. Railroad station. 9. Plant which produced storage batteries and vehicle batteries. 10. Church.  Legend for Sketch No. 2, Kalinin Flant  1. Forge and hot-stamping shop. 2. Paint shop. 3. Sewing machine section. 4. Machine construction shops, typewriter manufacturing sections, and sewing machine needles shop. 5. Foundry. 6. Administration offices. 7. Strage with repair and maintenance shop. 8. Train shed.  | 7    |   |          |
| 6. Post office, Telephone and Telegraph centers. 7. Industrial Nekhhikum building. 8. Railroad station. 9. Flant which produced storage batteries and vehicle batteries. 10. Church.  Legend for Sketch No. 2, Kalinin Flant  1. Forge and hot-stamping shop. 2. Paint shop. 3. Sewing machine section. 4. Machine construction shops, typewriter manufacturing sections, and sewing machine needles shop. 5. Foundry. 6. Administration offices. 7. Garage with repair and maintenance shop. 8. Train shed.   | 4.   | Football field.   |          |
| 7. Industrial Rehigikum building. 8. Railroad station. 9. Flant which produced storage batteries and vehicle batteries. 10. Church.  Legend for Sketch No. 2, Kalinin Flant  1. Forge and hot-stamping shop. 2. Paint shop. 3. Sewing machine section. 4. Machine construction shops, typewriter manufacturing sections, and sewing machine needles shop. 5. Foundry. 6. Administration offices. 7. Strage with repair and maintenance shop. 8. Train shed.  | 5.   | Militia headquarters.   | <i>•</i> |
| 8. Railroad station.  9. Plant which produced storage batteries and vehicle batteries.  10. Church.  Legend for Sketch No. 2, Kalinin Flant  1. Forge and hot-stamping shop.  2. Paint shop.  3. Saving machine section.  4. Machine construction shops, typewriter manufacturing sections, and sewing machine needles shop.  5. Foundry.  6. Administration offices.  7. Garage with repair and maintenance shop.  8. Train shed.   | 6.   | Post Office, Welephone and Welegraph centers.                 |          |
| 9. Plant which produced storage batteries and vehicle batteries.  10. Church.  Legend for Sketch No. 2, Kalinin Plant  1. Forge and hot-stamping shop.  2. Paint shop.  3. Sawing machine section.  4. Machine construction shops, typewriter manufacturing sections, and sawing machine needles shop.  5. Foundry.  6. Administration offices.  7. Carage with repair and maintenance shop.  8. Train shed.   | 7.   | Industrial takhtikum building.                                |          |
| Legend for Sketch No. 2, Kalinin Flant  1. Forge and hot-stamping shop.  2. Paint shop.  3. Sewing machine section.  4. Machine construction shops, typewriter manufacturing sections, and sewing machine needles shop.  5. Foundry.  6. Administration offices.  7. Chrage with repair and maintenance shop.  8. Train shed.  | 8.   | Railroad station.   |          |
| Legend for Sketch No. 2, Kalinin Flant  1. Forge and hot-stamping shop.  2. Paint shop.  3. Saving machine section.  4. Machine construction shops, typewriter mamufacturing sections, and sewing machine needles shop.  5. Foundry.  6. Administration offices.  7. Garage with repair and maintenance shop.  8. Train shed.  | 9.   | Plant which produced storage batteries and vehicle batteries. | •        |
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| <ol> <li>Forge and hot-stamping shop.</li> <li>Paint shop.</li> <li>Sewing machine section.</li> <li>Machine construction shops, typewriter manufacturing sections, and sewing machine needles shop.</li> <li>Foundry.</li> <li>Administration offices.</li> <li>Girage with repair and maintenance shop.</li> <li>Train shed.</li> </ol>  |      |   |          |
| <ol> <li>Paint shop.</li> <li>Sewing machine section.</li> <li>Machine construction shops, typewriter manufacturing sections, and sewing machine needles shop.</li> <li>Foundry.</li> <li>Administration offices.</li> <li>Grage with repair and maintenance shop.</li> <li>Train shed.</li> </ol>   | .:   | Legend for Sketch No. 2, Kalinin Plant                        |          |
| <ol> <li>Paint shop.</li> <li>Sewing machine section.</li> <li>Machine construction shops, typewriter manufacturing sections, and sewing machine needles shop.</li> <li>Foundry.</li> <li>Administration offices.</li> <li>Grage with repair and maintenance shop.</li> <li>Train shed.</li> </ol>   |      |   |          |
| <ol> <li>Sewing machine section.</li> <li>Machine construction shops, typewriter manufacturing sections, and sewing machine needles shop.</li> <li>Foundry.</li> <li>Administration offices.</li> <li>Garage with repair and maintenance shop.</li> <li>Train shed.</li> </ol>   | 1.   |   |          |
| <ol> <li>Machine construction shops, typewriter manufacturing sections, and sewing machine needles shop.</li> <li>Foundry.</li> <li>Administration offices.</li> <li>Grage with repair and maintenance shop.</li> <li>Train shed.</li> </ol>   | 2.   | Paint shop.   |          |
| sewing machine needles shop.  5. Foundry.  6. Administration offices.  7. Grage with repair and maintenance shop.  8. Train shed.  | 3.   | Seving machine section.                                       | * 1      |
| <ol> <li>Foundry.</li> <li>Administration offices.</li> <li>Garage with repair and maintenance shop.</li> <li>Train shed.</li> </ol>   | 4.   |   |          |
| 6. Administration offices. 7. Grage with repair and maintenance shop. 8. Train shed.   |      |   | t        |
| 7. Grage with repair and maintenance shop. 8. Train shed.  | 5.   | Foundry.  | f-       |
| 8. Train shed.   | 6.   | Administration offices.                                       |          |
|  | 7.   | Garage with repair and maintenance shop.                      | , t      |
| <b>7.5.4.5.</b>  | 8.   | Train shed.   |          |
|  |      | M_W_C_N_W_D   |          |
|  | •    |   | 50X1-HU  |

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| during the last ver, this plant produced soften projectiles.  20. He automation existed in this plant.  1.   |            | •    | •             |             |                          | mB-aft-cV-D    | ere .     |             |           |   | 50X1-HUM       |
|--|------------|------|---------------|-------------|--------------------------|----------------|-----------|-------------|-----------|---|----------------|
| during the last war, this plant produced softer  projectiles.  20. He automatic  |            | -    |               |             |                          | <b>-5</b> -    |           | र र्रेट-इ   | -         |   |                |
| during the last war, this plant produced softer  projectiles.  20. He submattice existed in this plant.  1   |            |      | •             | • •         |                          | •              |           |             | •         |   |                |
| during the last war, this plant produced softer  projectiles.  20. He automatic  | ~ O        |      | :             |             |                          |                |           |             |           |   | = 50V4 LUUA    |
| projectiles.  20. No automation existed in this plant.  1.   | 16.        | COUN | ricts.        | •           |                          |                |           | 100-1       | TRONELS   | OT ASE C                                | 50X1-HUM       |
| grojectiles.  20. He subconstion existed in this plant.  1.  | 19.21      |      | •             |             |                          |                |           |             | •         |   | 50X1-HUM       |
| 20. Be automation existed in this plant.  1  | - <b>-</b> |      | lantilan      | ,           | during                   | the las        | t war, t  | his plant p | produced  | <b>mothar</b>                           | , <del>.</del> |
| 1  |            |      | T             |             |                          |                | •         |             |           |   |                |
| Legend for Sastch No. 1, Section of the City of Podolsk  1. First Kalimin Sawing Machine and Typewriter Flant.  2. Flant elinic.  3. Gorsovet building.  4. Football field.  5. Militia headquarters.  6. Post office, Welephone and Melegraph centers.  7. Industrial Makhikum building.  8. Railroad station.  9. Flant which produced storage batteries and vehicle batteries.  10. Church.  Legend for Sketch No. 2, Kalimin Flant  1. Forge and hot-stamping shop.  2. Paint shop.  3. Sawing machine section.  4. Machine construction shops, typewriter manufacturing sections, and sawing machine needles shop.  5. Foundry.  6. Administration offices.  7. Garage with repair and maintenance shop.  8-E-C-R-E-T   | 20.        | No ( | nationation ( | existed     | in this                  | plant.         |           |             |           |   | 50X1-HUM       |
| Legend for Sketch No. 1, Section of the City of Podolsk  1. First Kalinin Sewing Machine and Typewriter Flant.  2. Flant clinic.  3. Gorsovet building.  4. Football field.  5. Militia headquarters.  6. Post office, Welephone and Melegraph centers.  7. Industrial Salminium building.  8. Railroad station.  9. Flant which produced storage batteries and vehicle batteries.  10. Church.  Legend for Sketch No. 2, Kalinin Flant  1. Forge and hot-stamping shop.  2. Paint shop.  3. Sawing machine section.  4. Machine construction shops, typewriter manufacturing sections, and sawing machine needles shop.  5. Foundry.  6. Administration offices.  7. Garage with repair and maintenance shop.  8.E.C.R.E.T. |            |      | 1.            | comme       | ndez -                   | medi           | ably      | referring   | to the    | ormer :                                 | 50X1-HUM       |
| 1. First Kalinin Sewing Machine and Typewriter Plant. 2. Plant clinic. 3. Gorsovet building. 4. Football field. 5. Militia headquarters. 6. Post office, Selephone and Selegraph centers. 7. Industrial Schizikum building. 8. Railroad station. 9. Plant which produced storage batteries and vehicle batteries. 10. Church.  Legend for Sketch No. 2, Kalinin Flant  1. Forge and hot-stamping shop. 2. Paint shop. 3. Sewing machine section. 4. Machine construction shops, typewriter manufacturing sections, and sewing machine needles shop. 5. Foundry. 6. Administration offices. 7. Garage with repair and maintenance shop. 8. Train shed.  |            |      |               |             |                          |                |           |             |           |   |                |
| 1. First Kalinin Sewing Machine and Typewriter Plant. 2. Plant clinic. 3. Gorsovet building. 4. Football field. 5. Militia headquarters. 6. Post office, Selephone and Selegraph centers. 7. Industrial Schizikum building. 8. Railroad station. 9. Plant which produced storage batteries and vehicle batteries. 10. Church.  Legend for Sketch No. 2, Kalinin Flant  1. Forge and hot-stamping shop. 2. Paint shop. 3. Sewing machine section. 4. Machine construction shops, typewriter manufacturing sections, and sewing machine needles shop. 5. Foundry. 6. Administration offices. 7. Garage with repair and maintenance shop. 8. Train shed.  |            |      | . **          | _           | رة به الأواد<br>الماضيات | ing series and |           |             |           |   | i              |
| 2. Plant clinic. 3. Gorsovet building. 4. Football field. 5. Militia headquarters. 6. Post office, Telephone and Telegraph centers. 7. Industrial telephone and Telegraph centers. 8. Rathroad station. 9. Plant which produced storage batteries and vehicle batteries. 10. Church.  Legend for Sketch No. 2, Kalinin Flant  1. Forge and hot-stamping shop. 2. Paint shop. 3. Sewing machine section. 4. Nachine construction shops, typewriter manufacturing sections, and sewing machine needles shop. 5. Poundry. 6. Administration offices. 7. Garage with repair and maintenance shop. 8. Train shed.   |            |      |               |             |                          |                |           |             | ity of Po | dolsk                                   |                |
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| 4. Football field. 5. Militia headquarters. 6. Post Office, Welephone and Walegraph centers. 7. Industrial Heinfalkum building. 8. Railroad station. 9. Plant which produced storage batteries and vehicle batteries. 10. Church.  Legend for Sketch No. 2, Kalinin Flant  1. Forge and hot-stamping shop. 2. Paint shop. 3. Saving machine section. 4. Machine construction shops, typewriter manufacturing sections, and sewing machine needles shop. 5. Foundry. 6. Administration offices. 7. Garage with repair and maintenance shop. 8. E-C-R-E-T  |            | 2.   | Plant clin    | <b>1</b> c. | ٠                        |                |           |             | £.        |   | 2.1            |
| 5. Militia headquarters. 6. Post office, Telephone and Telegraph centers. 7. Industrial Heathfalkum building. 8. Railroad station. 9. Flant which produced storage batteries and vehicle batteries. 10. Church.  Legend for Sketch No. 2, Kalimin Flant  1. Forge and hot-stamping shop. 2. Pedint shop. 3. Sawing machine section. 4. Machine construction shops, typewriter manufacturing sections, and sewing machine needles shop. 5. Foundry. 6. Administration offices. 7. Gérage with repair and maintenance shop. 8. E-C-R-E-T   |            | 3.   | Gorsovet b    | uilding     | •                        |                |           | 1           |           |   |                |
| 6. Post office, Telephone and Telegraph centers. 7. Industrial Telephone and Telegraph centers. 8. Railroad station. 9. Flant which produced storage batteries and vehicle batteries. 10. Church.  Legend for Sketch No. 2, Kalinin Flant  1. Forge and hot-stamping shop. 2. Paint shop. 3. Sewing machine section. 4. Machine construction shops, typewriter manufacturing sections, and sewing machine needles shop. 5. Foundry. 6. Administration offices. 7. Garage with repair and maintenance shop. 8. Train shed.  |            | 4.   | Football f    | ield.       |                          |                |           | in          |           |   |                |
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| 8. Railroad station.  9. Flant which produced storage batteries and vehicle batteries.  10. Church.  Legend for Sketch No. 2, Kalimin Flant  1. Forge and hot-stamping shop.  2. Paint shop.  3. Saving machine section.  4. Machine construction shops, typewriter manufacturing sections, and sewing machine needles shop.  5. Foundry.  6. Administration offices.  7. Grage with repair and maintenance shop.  8-R-C-R-E-T   |            |      |               |             | •                        |                |           |             |           |   |                |
| 9. Plant which produced storage batteries and vehicle batteries.  10. Church.  Legend for Sketch No. 2, Kalinin Flant  1. Forge and hot-stamping shop.  2. Paint shop.  3. Saving machine section.  4. Machine construction shops, typewriter manufacturing sections, and saving machine needles shop.  5. Foundry.  6. Administration offices.  7. Gérage with repair and maintenance shop.  8. E-C-R-E-T   |            | •    |               | 7           | BUIL DOLL                | mane.          |           |             |           |   | •              |
| Legend for Sketch No. 2, Kalinin Flant  1. Forge and hot-stamping shop.  2. Paint shop.  3. Saving machine section.  4. Machine construction shops, typewriter manufacturing sections, and sewing machine needles shop.  5. Foundry.  6. Administration offices.  7. Garage with repair and maintenance shop.  8. Erecret  | *          |      |               |             |                          |                |           |             |           | _                                       |                |
| Legend for Sketch No. 2, Kalinin Flant  1. Forge and hot-stamping shop.  2. Paint shop.  3. Saving machine section.  4. Machine construction shops, typewriter manufacturing sections, and sewing machine needles shop.  5. Foundry.  6. Administration offices.  7. Garage with repair and maintenance shop.  8. Train shed.  |            | •    |               | h produ     | ced stor                 | rage batt      | eries ar  | d velicle   | Detterle  | 3.                                      | •              |
| <ol> <li>Forge and hot-stamping shop.</li> <li>Paint shop.</li> <li>Sewing machine section.</li> <li>Hachine construction shops, typewriter manufacturing sections, and sewing machine needles shop.</li> <li>Foundry.</li> <li>Administration offices.</li> <li>Girage with repair and maintenance shop.</li> <li>Train shed.</li> </ol>  |            | 10.  | Church.       |             |                          |                |           |             |           | •                                       |                |
| <ol> <li>Forge and hot-stamping shop.</li> <li>Paint shop.</li> <li>Sewing machine section.</li> <li>Hachine construction shops, typewriter manufacturing sections, and sewing machine needles shop.</li> <li>Foundry.</li> <li>Administration offices.</li> <li>Girage with repair and maintenance shop.</li> <li>Train shed.</li> </ol>  |            | , .: |               | Tamana -    | for Shed                 | tah Na. 2      | . Kelini  | n Plant     |           |   |                |
| <ol> <li>Paint shop.</li> <li>Sewing machine section.</li> <li>Hachine construction shops, typewriter manufacturing sections, and sewing machine needles shop.</li> <li>Foundry.</li> <li>Administration offices.</li> <li>Grage with repair and maintenance shop.</li> <li>Train shed.</li> </ol>   |            |      |               | DO NOTOR    | AUS GEO!                 |                | .,        | <u></u>     |           | ٠                                       |                |
| 3. Saving machine section.  4. Machine construction shops, typewriter manufacturing sections, and sewing machine needles shop.  5. Foundry.  6. Administration offices.  7. Garage with repair and maintenance shop.  8. Train shed.  S-E-C-R-E-T  |            | 1.   | Forge and     | hot-sta     | uning sl                 | op.            | •         |             |           |   |                |
| <ol> <li>Machine construction shops, typewriter manufacturing sections, and sewing machine needles shop.</li> <li>Foundry.</li> <li>Administration offices.</li> <li>Garage with repair and maintenance shop.</li> <li>Train shed.</li> </ol>  |            | 2.:  | Paint shop    | è           |                          |                |           |             |           | s'                                      | •              |
| <ol> <li>Machine construction shops, typewriter manufacturing sections, and sewing machine needles shop.</li> <li>Foundry.</li> <li>Administration offices.</li> <li>Garage with repair and maintenance shop.</li> <li>Train shed.</li> </ol>  | ٠.         | 3.   | Seving mad    | hine se     | ction.                   |                |           |             |           | , J                                     | * *1           |
| 5. Foundry. 6. Administration offices. 7. Garage with repair and maintenance shop. 8. Train shed. S-E-C-R-E-T  |            | •    |               |             |                          | ns. typen      | reiter me | mržeckuria  | g section | ns and                                  | • • •          |
| 6. Administration offices.  7. Strage with repair and maintenance shop.  8. Train shed.  S-E-C-R-E-T   |            | •••  | seving mad    | hine ne     | edles si                 | bop.           |           |             |           | ,                                       | . 7            |
| 7. Sqrage with repair and maintenance shop. 8. Train shed. S-E-C-R-E-T   |            | 5.   | Foundry.      |             |                          |                |           |             |           |   | j.             |
| 8. Train shed.   |            | 6.   | Administra    | tion of     | fices.                   |                |           | *           |           |   | 1              |
| 8. Train shed.   |            | 7.   | Gårage vit    | h repai     | r and m                  | aintenan       | e shop.   |             |           |   |                |
| S-E-C-R-E-T  |            | _    | 11 2          |             |                          |                | _         | •           | **        |   |                |
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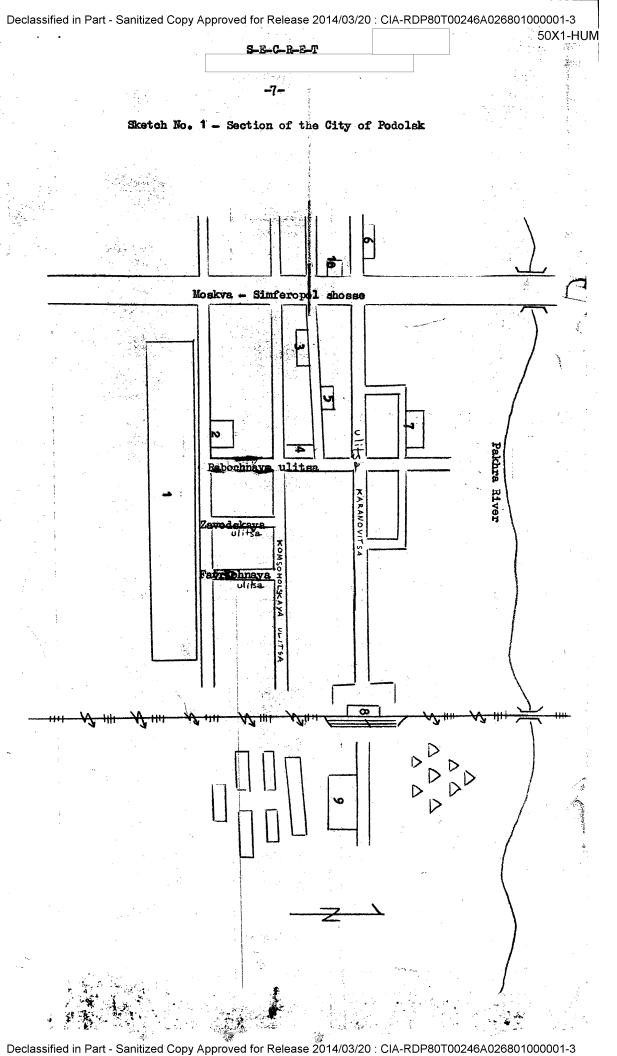
- 9. Plant director's house.
- 10. Open-air iron dump.
- 11. Unloading platform.

## Legend for Sketch No. 3, Fifth Floor of Building No. 4 of the Kalinin Plant

- 1. Sewing Machine assembly section.
- 2. Typewriter parts machine section.
- 3. Typewriter painting and chromium plating section.
- 4. 35 6. Sewing machine needles manufacturing section.
- 7. Office of chief of typewriter section.
- 8. Office of chief of sewing machine needles section.
- 9. Entrance staircase.

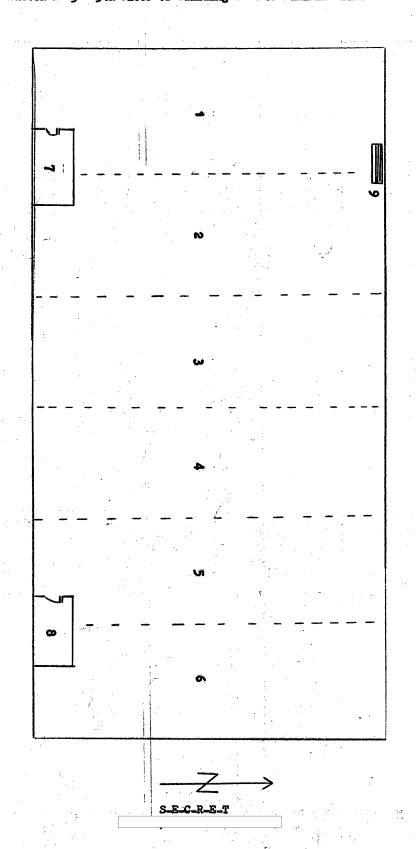
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Sketch Nº 3 - 5th Floor of Building Nº 4 of Kalinin Plant



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